

Middle East-Arab Animation, VFX & Video Games: Strategies, Trends & Opportunities (2022-26) (Includes Covid-19 impact & projections)

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Abstracts

EXECUTIVE SUMMARY

The Middle Eastern and Arab Animation, VFX and Video Games industry has the potential to emerge as an engine of growth for the continent. The industry has been in existence for quite a long time, however on a small scale. This is changing with increasing global exposure and knowledge transfer and training from international animation and game studios. The industry is in a phase where we are seeing the emergence of several animation, VFX and gaming companies and animators working on attractive stories and content leveraging the continent's large potential for stories.

The region has a handful of large animation studios as well as several small and medium sized studios producing content tailored to local tastes. Supply of animation talent, which has historically been limited, is emerging with support and intervention of several government and industry initiatives to develop and support animation through university courses and vocational training courses which provide theoretical and practical hands-on learning on Animation, VFX and Video Games. There are vast sections of the Middle East and Arab region where the potential for Animation, VFX & Video games has not yet been realized and calls for closer participation between government, industry and academia to catalyse the industry growth. The industry needs support in the form of training, funding, tax incentives, market reach, access to hardware and software, legal support to protect the content IP. access to global distribution and collaboration networks etc. Countries such as Egypt, Syria, Lebanon, Jordan, Saudi Arabia, Palestine, Turkey, Israel and Iran are emerging as key players in the region. However, the content producers in these countries have not been successful in global distribution of their output. This current focus of the industry includes content

for movies, television, games, augmented reality, virtual reality, advertising, web designs and industrial applications such as architecture, engineering, industrial design, healthcare, education, medicine, and the motor industry.

The demand for animation, VFX and video gaming has expanded with the increase in targeted broadcasting hours by cable and satellite TV, availability of low-cost internet access, penetration of mobile devices along with the growing popularity of streaming video. In addition, the demand for Animation and VFX content to power immersive experiences such as Augmented Reality and Virtual Reality is growing exponentially. The rapid advancement of technology has made animation, VFX & games available to the masses, and this industry has become one of the fastest growing segments in the global media and entertainment market. We are increasingly seeing more of animation, VFX and games production taking place in a globally distributed mode. Production work is becoming global with countries as well as regions offering tax incentives, subsidies, financial support, regional low labor costs etc. and companies are cutting costs by setting up facilities in such regions. Cloud computing is playing a key role in character rendering and modeling processes as cloud-based rendering of animation films is more effective and efficient as it reduces the time and cost compared to traditional rendering.

EMERGING TRENDS IN ANIMATION, VFX & VIDEO GAMES INDUSTRY

The combination of live action and animation will alter the form, as well as the content, of film animation.

Animation is no longer a profession limited to animators with increasing participation from computer professionals, programmers, technicians etc.

The evolution of visual effects (VFX), augmented reality (AR) and virtual reality (VR) technologies is dramatically changing both the creation and consumption of films, videos, games, and more.

Augmented Reality and Virtual Reality adoption will drive the demand for animation content.

Production work is moving around the world – tax incentives, regional low labor costs and subsidies put pressure on existing companies to reduce costs and set up facilities in tax advantaged or low cost regions.

Media consumption habits are changing rapidly, windows for film releases are

narrowing, and follow-on markets are shifting from television, cable, DVD and rentals to streaming and digital downloads.

The international film market in several emerging markets is growing quickly and creating new opportunities. Regulations in several countries limit imported animation content without a certain amount of local participation and studios are collaborating with local partners to produce content.

Although 2D animation will survive, it will be largely in the form of hybrid 2D/3D animation. As well as reducing costs, using CGI for backgrounds allows for a more dynamic camera. The training offered to animators are biased in favor of CGI and so artists with traditional 2D skills are becoming harder to find.

The changing viewing habits favour short productions as a form of entertainment. The viewing habits generally favor short-form content that can be turned out quickly and cheaply.

Merchandise is already a major form of revenue generation for animated films and in future it could form a much larger share of revenues.

Artificial Intelligence, machine learning & deep learning are being leveraged to drive hyper-personalisation for video games.

Artificial Intelligence and Machine Learning based techniques are being used for in-game analytics, customer acquisition, retention, cross sell, churn, classify player behavior etc.

Micro-segmentation of fans is emerging as eSports leagues and tournament are consolidating various genres, platforms and viewing experiences by careful customer segmentation, targeting and positioning.

In video games, predictive analytics can be used to forecast when a player will stop playing, if a player will convert from a non-paying to a paying user, what types of items players will purchase, classify player behavior, etc.

Cloud Gaming services which are growing at an exponential pace would need the right pricing model to both drive adoption and generate sufficient returns for platforms and publishers.

The availability of low cost micro-payment systems is allowing users to pay for access or download small quantities of digital content and is the key for online games market to grow.

ANIMATION, VFX & VIDEO GAMES INDUSTRY RESEARCH

Digital Vector is the world's most authoritative source for Animation, VFX & Video Games Industry research. The industry research, in publication since the year 2003 is the primary source of reference for leading global business executives, government leaders, product managers, researchers, analysts, academia and consultants. The report is the result of hundreds of man years of effort involving leading industry analysts with expertise across various aspects of the Animation, VFX & Games industry value chain. Digital Vector is the source for objective and actionable research to more than 700 plus global Fortune 1000 organizations in more than 40 countries across various value chain and industry functions.

Our research provides insights, information, advice and tools to achieve key priorities and enable the next wave of industry growth by enabling the key decision makers to take the right decisions. The research covers Animation, VFX and Video Games market across 60 plus countries, 6,000 plus Animation, VFX and Games studios and services companies as well as 200 plus animation and games software product companies. It is based on rigorous research methodology, which includes extensive Primary Research supported by in-depth Secondary Research using advanced quantitative and qualitative analysis.

Inputs and insights from our extensive network of Animation, VFX and Video Games industry service provider and consumer stakeholders gives clients a holistic picture of supply and demand they can only get from Digital Vector. Our research offers insights, expert analysis and forecasts about the Animation, VFX & Games industry including value chain analysis, market sizing and forecasting, industry challenges, opportunities, strengths, business models, content demand market size, commercial models, cost structure analysis, talent supply and cost analysis, industry trend, segmentation, government policy analysis, competitive benchmarking, animation software product market analysis, industry eco-system analysis, company profiles, supplier analysis, distributor analysis and product launch strategies.

Clients use Digital Vector's industry research to find answers to questions such as:

What are the emerging market opportunities, market growth factors, annual growth numbers, market size, growth forecasts, content volumes, demand and supply volumes?

Understand the fast-emerging market opportunities and segments and differentiate between them based on size and annual growth.

What are the geography specific industry challenges, characteristics, opportunities and strengths?

What are the risks of entering a new market and how to manage them? How is the market expected to evolve and what could be the future options?

Industry demography of key geographies and their animation landscape

Early identification of changing market conditions and their impact on key industry factors

Benchmark key government policy frameworks across various global markets and make the right partnership choices to make best use of support, subsidies and incentives.

What strategies to adopt for multi-country content collaborations?

Create, formulate and validate business plans towards making a product/service launch or make a buy decision?

What are the key attributes of specific geographical markets and how are they expected to evolve?

Key metrics to measure the differentiators of the industry to succeed at local, regional and global scale

What technology and business model disruptions will impact the Animation, VFX and video games industry in the next 2-5 years? What kind of impact will they have?

METHODOLOGY

Our methodologies and analysis techniques process large volumes of structured and unstructured data into actionable insights and recommendations which empower our clients to take effective business decisions. Our global network of industry experts have deep expertise across various aspects of the Animation, VFX and Video Games industry value chain such as production, pre and post production, technology, machine learning, outsourcing, software products, financial modelling, content marketing, sales, merchandising, content supply chain, distribution channels, risk analysis, studio management, human resource, finance, legal and policy.

PRIMARY AND SECONDARY DATA

Primary data about the animation, VFX and video games industry are collected from animation and game studio managers, software product managers, directors, technology vendors, animators, game designers and developers, end users, academics, government officials, festival organisers, eSports organisers etc. Data is collected through periodic surveys and in-depth interviews (in-person, telephonic, email, video as well as chat based), with government officials, academics, and animation companies' managers. These are structured, unstructured and focused interviews conducted in formal, informal as well as open ended settings. Other sources of data and information include focus group discussions, trade visits, webinars, product demonstrations, as well as direct observation.

Secondary market research data sources include books and journals, annual reports, investment analyst reports, government policy notes, labour statistics, newspaper articles, census and statistical data, databases, trade, marketing and promotional literature, articles, surveys and other publications. The secondary market data is aided by Digital Vector's sophisticated market analysis tools, real-time data collection and aggregation software, proprietary databases and framework.

MACHINE LEARNING BASED ANALYSIS

Digital Vector employs a wide range of research methods and employs multi-method analysis including quantitative, qualitative as well as network analysis. Our proprietary methodologies and analysis frameworks are powered by machine learning, natural language processing, quantitative modelling, trend analysis etc. Pattern recognition is adopted to analyse data from multiple sources to identify emerging patterns within markets, change parameters and simulate scenarios.

Our five-year market forecasts are aimed to provide decision makers with a detailed understanding of the Animation, VFX and Video Games industry. The forecasts are based on machine learning models built on input parameters specific to the characteristics of a particular market or a segment. The industry model parameters and assumptions are powered by several data sources from primary and secondary research, our proprietary databases as well as real-time data from several industry and government sources.

Contents

EXECUTIVE SUMMARY

Impact of Covid-19 on Global Animation, VFX & Video Games

Impact of Covid-19 on Industry Value Chain

GLOBAL ANIMATION & VFX INDUSTRY

History and Evolution

Industry Differentiators

Industry Characteristics

ANIMATION INDUSTRY SUPPLY CHAIN

ROLE OF TECHNOLOGY

MERCHANDISING OPPORTUNITIES

KEY DISTRIBUTION CHANNELS FOR ANIMATION CONTENT

RISKS FACED BY ANIMATION STUDIOS

DEMAND DRIVERS OF ANIMATION INDUSTRY

DRIVERS FOR SUCCESS

ANIMATION FINANCIAL MODELS

EMERGING TECHNOLOGICAL PLATFORMS

EMERGING APPLICATION AREAS

Competitive Landscape Of Animation Studios

Global Animation & VFX Market Size & Opportunity

Market segmentation of Animation, VFX and Video Games

Global Animation Studios: Distribution and Capabilities

ANIMATION & VFX MARKET SEGMENTS

Market Segmentation

2D ANIMATION

3D ANIMATION / COMPUTER GENERATED IMAGERY (CGI)

VISUAL EFFECTS (VFX)

WEB ANIMATION

Market Opportunity for 3D Animation/Computer Generated Imagery (CGI)

PRODUCING CGI ANIMATION

ADVANTAGES OF CGI ANIMATION

DISADVANTAGES OF CGI ANIMATION

INFLUENCE OF CGI ON 2D ANIMATION

CHALLENGES FOR CGI ANIMATION
CRITICAL SUCCESS FACTORS FOR CGI PRODUCTIONS
Visual Effects (VFX)
VFX INDUSTRY CHALLENGES & OPPORTUNITIES
Stop Motion Animation
Motion Capture
3D Animation Movies
KEY TRENDS, OPPORTUNITIES, FORECASTS

EMERGING TRENDS & FUTURE OF ANIMATION & VFX

Key predictions for the future

GLOBAL TELEVISION ANIMATION CONTENT DEMAND

Global Television Animation Content demand

ANIMATION & VFX CONTENT CREATION

Content Creation Workflow in 2D Animation
CONCEPTUALIZATION
PRE-PRODUCTION
PRODUCTION
POST-PRODUCTION
Content Creation Lead Time Calculation in 2D Animation
SCANNING AND FILTERING
INK AND PAINT
COMPOSITING AND DOPESHEET PREPARATION
Digital processing in 2D Animation
WORKFLOW PRECEEDING DIGITAL PROCESSING
Content Creation Workflow in 3D Animation
CONCEPTUALIZATION
PRE-PRODUCTION
PRODUCTION
POST-PRODUCTION
PARALLEL ACTIVITIES
Timeline of a 3D production workflow
ANIMATION SOFTWARE USAGE IN 3D PRODUCTION WORKFLOW
Animation Production Management

GOVERNANCE

TASK DIVISION AND PEOPLE ALLOCATION

TECHNOLOGY

Cloud Computing in Animation & VFX Workflow

AUDIENCE DYNAMICS

Marketing Strategies for Animation Studios

MARKETING PROGRAM

ONLINE PRESENCE

PROFILING AND TARGETING THE RIGHT AUDIENCE

DISTRIBUTION

CONFERENCES, FESTIVALS & EVENTS

Strategies for Successful Animation Films

BEST PRACTICES IN CHARACTER DESIGN

LESSONS FROM PAST MISTAKES

ECONOMICS OF ANIMATION & VFX

Revenue break-up across distribution channels

STREAMING VIDEO

Marketing to Exhibition of Animation Content

MARKETING

LICENSING

MERCHANDISING

DISTRIBUTION

EXHIBITION

Economics of Animation Copyrights

DYNAMICS OF COPYRIGHTS

GUIDELINES FOR SETTING UP AN ANIMATION STUDIO

Investments Needed for Setting up an Animation Studio

Specialized Hardware and Software Investments

Leveraging Cloud Computing for Competitive Advantage

MANAGING AN ANIMATION & VIDEO GAMES STUDIO

Key Issues of Concern

Formulating the long-term Strategy

GLOBAL VIDEO GAMES INDUSTRY

Key Trends in the Global Video Games Industry

VIDEO GAMES INDUSTRY STRUCTURE

CHANGING VIDEO GAME BUSINESS MODELS

ONLINE VIDEO GAMING BUSINESS MODELS

VIDEO GAMES INDUSTRY VALUE CHAIN

MOBILE GAMES INDUSTRY VALUE CHAIN

GAME DISTRIBUTION MODELS

Key Opportunities & Strategies for Video Games Industry

GAMES INDUSTRY COMPETENCIES & SKILLS

GUIDELINES FOR A GAMES STUDIO STRUCTURE

Artificial Intelligence, Machine Learning & Deep Learning driven Hyper-Personalisation
For Video Games

MACHINE LEARNING FOR IN-GAME ANALYTICS, USER ACQUISITION &
RETENTION

Video Games Market Segments

MOBILE VIDEO GAMES SEGMENTS & GENRES

Global Video Games Market Size & Opportunity

CROSS OVER BETWEEN GAMES AND MOVIES

Cloud Gaming Market & Opportunities

MARKET SIZE, USER BASE, ADVANTAGES & CHALLENGES

KEY CLOUD GAMING SERVICE PROVIDERS

CLOUD GAMING MARKET OPPORTUNITIES AND PREDICTIONS

MIDDLE EAST & ARAB ANIMATION, VFX & VIDEO GAMES

MIDDLE EAST & ARAB ANIMATION & VFX

Emergence of the Middle Eastern Animation

Key Industry Trends

LOCAL CONTENT CREATION

EMERGENCE OF CHILDREN'S TELEVISION CHANNELS

TELEVISION ANIMATION CONTENT DEMAND

UNITED ARAB EMIRATES ANIMATION, VFX & VIDEO GAMES

United Arab Emirates Animation & VFX
IMPACT OF COVID-19 ON UAE'S ANIMATION, VFX & VIDEO GAMES
INDUSTRY OVERVIEW & KEY TRENDS
KEY TRENDS
GOVERNMENT SUPPORT
INTERNATIONAL COLLABORATION
DUBAI'S FIRST 3D ANIMATED FEATURE FILM
United Arab Emirates Video Games Market
KEY TRENDS IN THE VIDEO GAMES INDUSTRY IN THE UAE
United Arab Emirates Video Games Market Size & Opportunity

SAUDI ARABIA ANIMATION, VFX & VIDEO GAMES

Saudi Arabia Animation & VFX
IMPACT OF COVID-19 ON SAUDI ARABIA'S ANIMATION, VFX & VIDEO GAMES
INDUSTRY OVERVIEW
GROWTH CHALLENGES
KEY TRENDS IN LOCAL PRODUCTIONS
GOVERNMENT SUPPORT
STRATEGIES FOR INDUSTRY GROWTH
Saudi Arabia Video Games Market
KEY TRENDS IN THE VIDEO GAMES INDUSTRY IN SAUDI ARABIA
Saudi Arabia's Video Games Market Size & Opportunity

IRAN ANIMATION, VFX & VIDEO GAMES

Iran Animation & VFX
IMPACT OF COVID-19 ON IRAN'S ANIMATION, VFX & VIDEO GAMES
INDUSTRY DRIVERS
CHALLENGES
INDUSTRY OPPORTUNITIES
Iran Video Games Market
KEY TRENDS IN THE VIDEO GAMES INDUSTRY IN IRAN
Iran Video Games Market Size & Opportunity

ISRAEL ANIMATION, VFX & VIDEO GAMES INDUSTRY

Israel Animation & VFX
CURRENT STATE OF THE INDUSTRY

INDUSTRY TRENDS & DRIVERS
INDUSTRY CHALLENGES
ANIMATION STUDIOS IN ISRAEL
ISRAEL'S FIRST ANIMATED FEATURE FILM
Statistics on Animation Studios in Israel
Israel Video Games Industry
ONLINE VIDEO GAMING BUSINESS MODELS IN ISRAEL
KEY OPPORTUNITIES & STRATEGIES
Video Games Market Segments in Israel
MOBILE VIDEO GAMES SEGMENTS & GENRES
Israel's Video Games Market Size & Opportunity

TURKEY ANIMATION, VFX & VIDEO GAMES

Turkey's Animation & VFX Industry
IMPACT OF COVID-19 ON TURKISH ANIMATION, VFX & VIDEO GAMES
Recent Movie Trends in Turkey
Animation Studios in Turkey
Animation Schools in Turkey
Government Support
Industry Challenges, Opportunities & Drivers
Strategies for Animation Studios in Turkey
Key Statistics about Animation Industry in Turkey
Video Games Industry in Turkey
KEY TRENDS IN THE TURKISH VIDEO GAMES INDUSTRY
VIDEO GAME BUSINESS MODELS IN TURKEY
ONLINE VIDEO GAMING BUSINESS MODELS IN TURKEY
Key Opportunities & Strategies for Turkish Video Games Industry
Video Games Market Segments
MOBILE VIDEO GAMES SEGMENTS & GENRES
Turkish Video Games Market Size & Opportunity

EGYPT ANIMATION VFX & VIDEO GAMES

Egypt Animation & VFX
IMPACT OF COVID-19 ON EGYPTIAN ANIMATION, VFX & VIDEO GAMES
INDUSTRY OVERVIEW
EGYPT'S FIRST ANIMATED FEATURE FILM
INDUSTRY DRIVERS

CHALLENGES**INDUSTRY OPPORTUNITIES****ANIMATION STUDIOS IN EGYPT****STRATEGIES FOR ANIMATION STUDIOS IN EGYPT****Egypt Video Games Industry****KEY TRENDS IN THE VIDEO GAMES INDUSTRY IN EGYPT****Egypt Video Games Market Size & Opportunity****MOROCCO ANIMATION VFX & VIDEO GAMES****Morocco Animation & VFX****IMPACT OF COVID-19 ON MOROCCO'S ANIMATION, VFX & VIDEO GAMES****ANIMATION FESTIVALS AND COMMUNITIES****INDUSTRY DRIVERS****CHALLENGES****INDUSTRY OPPORTUNITIES****Morocco Video Games Market****KEY TRENDS IN THE VIDEO GAMES INDUSTRY IN MOROCCO****Morocco Video Games Market Size & Opportunity****ALGERIA ANIMATION VFX & VIDEO GAMES****Algeria Animation & VFX****IMPACT OF COVID-19 ON ALGERIA'S ANIMATION, VFX & VIDEO GAMES****INDUSTRY DRIVERS****CHALLENGES****INDUSTRY OPPORTUNITIES****Algeria Video Games Market****KEY TRENDS IN THE VIDEO GAMES INDUSTRY IN ALGERIA****Algeria Video Games Market Size & Opportunity**

Figures & Tables

FIGURES AND TABLES

TABLE: IMPACT OF COVID-19 ON GLOBAL ANIMATION, VFX & VIDEO GAMES

FIGURE: EARLY ANIMATIONS

TABLE: ANIMATION MOVIES ADAPTED FROM TELEVISION

FIGURE: ANIMATION INDUSTRY ACTIVITY FLOW

FIGURE: ANIMATION & VFX INDUSTRY SUPPLY CHAIN

FIGURE: EARLY CGI BASED ANIMATIONS

TABLE: LIVE ACTION MOVIES FEATURING CGI CHARACTERS

TABLE: TOP GROSSING ANIMATION MOVIES

FIGURE: MARKET SIZE OF GLOBAL ANIMATION, VFX AND VIDEO GAMES

FIGURE: BREAK-UP OF GLOBAL ANIMATION, VFX AND VIDEO GAMES INDUSTRY

FIGURE: MARKET SIZE OF GLOBAL ANIMATION & VFX INDUSTRY

FIGURE: MARKET SIZE OF GLOBAL VIDEO GAMES INDUSTRY

FIGURE: GEOGRAPHICAL BREAK-UP OF GLOBAL ANIMATION, VFX & VIDEO GAMES INDUSTRY

FIGURE: GEOGRAPHICAL BREAK-UP OF GLOBAL ANIMATION & VFX INDUSTRY

FIGURE: MARKET SEGMENTS OF ANIMATION, VFX & VIDEO GAMES INDUSTRY

FIGURE: GLOBAL ANIMATION, VFX & VIDEO GAMING INDUSTRY SEGMENTS

FIGURE: MARKET SIZE OF ANIMATION & VFX IN MOVIES & TELEVISION

FIGURE: MARKET SIZE OF ANIMATION & VFX IN MANUFACTURING

FIGURE: MARKET SIZE OF ANIMATION & VFX IN ARCHITECTURE & ENGINEERING

FIGURE: MARKET SIZE OF ANIMATION & VFX IN EDUCATION

FIGURE: MARKET SIZE OF ANIMATION IN MEDICAL, HEALTHCARE & SCIENTIFIC

FIGURE: MARKET SIZE OF ANIMATION & VFX IN GOVERNMENT & DEFENCE

FIGURE: MARKET SIZE OF ANIMATION & VFX IN MARKETING & ADVERTISING

FIGURE: GEOGRAPHIC DISTRIBUTION OF ANIMATION STUDIOS IN THE WORLD

FIGURE: BREAK-UP OF ANIMATION STUDIOS BASED ON CAPABILITIES

TABLE: MOST INFLUENTIAL ANIMATION STUDIOS OF ALL TIME

TABLE: ANIMATED FEATURE FILMS FROM PROMINENT STUDIOS

FIGURE: BREAK-UP OF GLOBAL ANIMATION & VFX MARKET BY PRODUCTION TECHNIQUES

TABLE: TOP ANIMATION MOVIE FRANCHISES

TABLE: TOP GROSSING CGI ANIMATION MOVIES OF ALL TIME

TABLE: 3D ANIMATION / CGI FEATURE FILMS

TABLE: LIVE ACTION MOVIES WITH CGI MAIN CHARACTERS

TABLE: PROMINENT STOP MOTION ANIMATION MOVIES
TABLE: PROMINENT MOTION CAPTURE MOVIES
FIGURE: GLOBAL BOX OFFICE REVENUES OF 3D MOVIES
FIGURE: BOX OFFICE REVENUES OF 3D MOVIES IN NORTH AMERICA
FIGURE: GROWTH OF GLOBAL 3D SCREENS
FIGURE: NUMBER OF 3D MOVIES RELEASED GLOBALLY
TABLE: PROMINENT 3D MOVIES
TABLE: TOP GROSSING 3D ANIMATION MOVIES OF ALL TIMES
TABLE: 3D ANIMATION MOVIES IN THE TOP 20 GROSSING MOVIES
TABLE: MINUTES OF TELEVISION ANIMATION CONTENT DEMAND WORLDWIDE
FIGURE: MINUTES OF 2D/3D TELEVISION ANIMATION CONTENT DEMAND GLOBALLY
FIGURE: 2D ANIMATION PRODUCTION WORKFLOW
FIGURE: 3D ANIMATION PRODUCTION WORKFLOW
FIGURE: 3D ANIMATION WORKFLOW
FIGURE: KEY GLOBAL ANIMATION EVENTS
FIGURE: GLOBAL STREAMING VIDEO MARKET SIZE
FIGURE: GLOBAL ANIMATION & VFX STREAMING VIDEO MARKET SIZE
FIGURE: ANIMATION MOVIE MARKETING COST BREAK-UP
TABLE: LEADING GLOBAL ANIMATION LICENSORS AND LICENSED PROPERTIES
TABLE: COST BREAK-UPS OF LEADING ANIMATION MOVIES
TABLE: CAPITAL EXPENDITURE FOR SETTING UP AN ANIMATION STUDIO
TABLE: PROFILE OF EMPLOYEES REQUIRED TO MANAGE THE STUDIO
TABLE: LEADING GLOBAL VIDEO GAMES STUDIOS
FIGURE: COST STRUCTURE OF VIDEO GAMES
TABLE: TOP VIDEO GAMES BY COST OF DEVELOPMENT
TABLE: TOP GROSSING VIDEO GAMES
TABLE: TOP GROSSING VIDEO GAMES FRANCHISES
TABLE: COMPETENCIES AND PROFILE OF EMPLOYEES FOR GAME DEVELOPMENT ACROSS DIFFERENT FORMATS
FIGURE: GAME DEVELOPMENT VALUE CHAIN
TABLE: KEY IN-GAME METRICS FOR BIG DATA ANALYTICS
FIGURE: GAMES INDUSTRY REVENUES BY DEVICE TYPES
FIGURE: MARKET SIZE OF GLOBAL VIDEO GAMES INDUSTRY
FIGURE: GEOGRAPHICAL BREAK-UP OF GLOBAL VIDEO GAMES INDUSTRY
FIGURE: MARKET SIZE OF VIDEO GAMES INDUSTRY IN THE US
FIGURE: MARKET SIZE OF VIDEO GAMES INDUSTRY IN EUROPE
FIGURE: MARKET SIZE OF VIDEO GAMES INDUSTRY IN ASIA
FIGURE: MARKET SIZE OF VIDEO GAMES INDUSTRY IN REST OF THE WORLD

FIGURE: REVENUE BREAK-DOWN BY VIDEO GAME INDUSTRY GENRES
FIGURE: GEOGRAPHICAL MARKET SIZE BREAK-UP OF MOBILE VIDEO GAMES
FIGURE: MARKET SIZE OF MOBILE VIDEO GAMES INDUSTRY IN THE US
FIGURE: MARKET SIZE OF MOBILE GAMES INDUSTRY IN EUROPE
FIGURE: MARKET SIZE OF MOBILE GAMES INDUSTRY IN ASIA
FIGURE: MARKET SIZE OF MOBILE GAMES INDUSTRY IN REST OF THE WORLD
TABLE: LEADING GLOBAL GAMING ECO-SYSTEM PLAYERS BY COUNTRY
TABLE: GAMES BASED ON ANIMATION MOVIES
TABLE: MOVIES BASED ON VIDEO GAMES
FIGURE: GLOBAL CLOUD GAMING MARKET SIZE
FIGURE: GLOBAL CLOUD GAMING USER BASE
FIGURE: GEOGRAPHICAL BREAK-UP OF GLOBAL CLOUD GAMING MARKET
FIGURE: GEOGRAPHICAL BREAK-UP OF GLOBAL CLOUD GAMING USER BASE
FIGURE: CLOUD STREAMING SERVICES
TABLE: ARAB CHILDREN'S TELEVISION CHANNELS
TABLE: IMPACT OF COVID-19 ON UAE'S ANIMATION, VFX & VIDEO GAMES
TABLE: EDUCATION INSTITUTIONS THAT OFFER ANIMATION & VFX COURSES IN UAE
FIGURE: KEY ANIMATION PRODUCTIONS IN UAE
FIGURE: DUBAI'S FIRST 3D ANIMATED FEATURE FILM
TABLE: LEADING GAME STUDIOS IN THE UAE
TABLE: TOP GROSSING PLAY STORE GAMING APPLICATIONS IN THE UAE
TABLE: TOP GROSSING APPLE STORE GAMING APPLICATIONS IN THE UAE
FIGURE: MARKET SIZE OF GAMES INDUSTRY IN THE UAE
FIGURE: MARKET SIZE OF MOBILE GAMES INDUSTRY IN THE UAE
FIGURE: REVENUE BREAK-DOWN BY MOBILE GAME GENRES IN THE UAE
TABLE: IMPACT OF COVID-19 ON SAUDI ARABIA'S ANIMATION, VFX & VIDEO GAMES
FIGURE: KEY SAUDI ARABIAN ANIMATION PRODUCTIONS
TABLE: EDUCATION INSTITUTIONS THAT OFFER ANIMATION & VFX COURSES IN SAUDI ARABIA
TABLE: TOP GROSSING PLAY STORE GAMING APPLICATIONS IN SAUDI ARABIA
TABLE: TOP GROSSING APPLE STORE GAMING APPLICATIONS IN SAUDI ARABIA
FIGURE: MARKET SIZE OF GAMES INDUSTRY IN SAUDI ARABIA
FIGURE: MARKET SIZE OF MOBILE GAMES INDUSTRY IN SAUDI ARABIA
FIGURE: REVENUE BREAK-DOWN BY MOBILE GAME GENRES IN SAUDI ARABIA
TABLE: IMPACT OF COVID-19 ON IRAN'S ANIMATION, VFX & VIDEO GAMES
FIGURE: MARKET SIZE OF GAMES INDUSTRY IN IRAN

FIGURE: MARKET SIZE OF MOBILE GAMES INDUSTRY IN IRAN
TABLE: ISRAEL'S LEADING ANIMATION STUDIOS
FIGURE: ISRAEL'S FIRST 3D ANIMATED FEATURE FILM
FIGURE: NUMBER OF ANIMATION STUDIOS IN ISRAEL
FIGURE: ANIMATION STUDIOS IN ISRAEL BASED ON CAPABILITIES
FIGURE: ANIMATION STUDIOS IN ISRAEL BASED ON APPLICATIONS
FIGURE: PEOPLE EMPLOYED IN THE ISRAEL ANIMATION INDUSTRY
FIGURE: COST OF PRODUCING ONE EPISODE OF ANIMATION IN ISRAEL
FIGURE: MINUTES OF ANIMATION CONTENT PRODUCED IN ISRAEL
FIGURE: BREAK-UP OF ANIMATION CONTENT PRODUCED IN ISRAEL
FIGURE: 3D ANIMATION SALARIES IN ISRAEL
FIGURE: 2D ANIMATION SALARIES IN ISRAEL
FIGURE: WEB & MOBILE ANIMATION SALARIES IN ISRAEL
FIGURE: GAMING SALARIES IN ISRAEL
TABLE: TOP GROSSING PLAY STORE GAMING APPLICATIONS IN ISRAEL
TABLE: TOP GROSSING APPLE STORE GAMING APPLICATIONS IN ISRAEL
FIGURE: ISRAEL'S GAMES INDUSTRY REVENUES BY DEVICE TYPES
TABLE: LEADING GAME STUDIOS IN ISRAEL
FIGURE: MARKET SIZE OF ISRAEL'S VIDEO GAMES INDUSTRY
FIGURE: MARKET SIZE OF MOBILE GAMES INDUSTRY IN ISRAEL
FIGURE: REVENUE BREAK-DOWN BY MOBILE GAME GENRES IN ISRAEL
TABLE: IMPACT OF COVID-19 ON TURKISH ANIMATION, VFX & VIDEO GAMES
FIGURE: TURKISH FILM ADMISSION STATISTICS
FIGURE: NUMBER OF SCREENS IN TURKEY
FIGURE: BOX OFFICE REVENUES IN TURKEY
FIGURE: TURKISH FILM ATTENDANCE INDEX
FIGURE: TURKISH FILM PRODUCTIONS PER YEAR
FIGURE: THEATRE ADMISSIONS IN TURKEY
TABLE: ANIMATED FEATURE FILMS IN TURKEY
TABLE: ANIMATION TV SERIES IN TURKEY
TABLE: ANIMATION STUDIOS IN TURKEY
TABLE: ANIMATION SCHOOLS IN TURKEY
FIGURE: NUMBER OF ANIMATION STUDIOS IN TURKEY
FIGURE: BREAK-UP OF ANIMATION STUDIOS IN TURKEY BASED ON SIZE
FIGURE: BREAK-UP OF ANIMATION STUDIOS IN TURKEY BASED ON CAPABILITIES
FIGURE: CLASSIFICATION OF ANIMATION STUDIOS IN TURKEY BASED ON APPLICATIONS
FIGURE: COST PROJECTIONS OF PRODUCING ONE EPISODE OF ANIMATION

WORK IN TURKEY**FIGURE: ANNUAL ANIMATION CONTENT OUTPUT OF TURKISH ANIMATION INDUSTRY****FIGURE: BREAK-UP OF ANNUAL ANIMATION CONTENT OUTPUT OF TURKISH ANIMATION INDUSTRY****FIGURE: 3D ANIMATION SALARIES IN TURKEY****FIGURE: 2D ANIMATION SALARIES IN TURKEY****FIGURE: WEB & MOBILE ANIMATION ANIMATION SALARIES IN TURKEY****FIGURE: GAMING SALARIES IN TURKEY****TABLE: LEADING GAME STUDIOS IN TURKEY****TABLE: TOP GROSSING PLAY STORE GAMING APPLICATIONS IN TURKEY****TABLE: TOP GROSSING APPLE STORE GAMING APPLICATIONS IN TURKEY****FIGURE: TURKISH GAMES INDUSTRY REVENUES BY DEVICE TYPES****FIGURE: MARKET SIZE OF TURKISH VIDEO GAMES INDUSTRY****FIGURE: MARKET SIZE OF MOBILE GAMES INDUSTRY IN TURKEY****FIGURE: REVENUE BREAK-DOWN BY MOBILE GAME GENRES IN TURKEY****FIGURE: EARLIEST EGYPTIAN ANIMATION PRODUCTIONS****FIGURE: EGYPTIAN ANIMATION PRODUCTIONS****TABLE: IMPACT OF COVID-19 ON EGYPTIAN ANIMATION, VFX & VIDEO GAMES****TABLE: ANIMATION EDUCATION INSTITUYIONS IN EGYPT****TABLE: ANIMATION & VFX STUDIOS IN EGYPT****TABLE: TOP GROSSING PLAY STORE VIDEO GAMING APPLICATIONS IN EGYPT****TABLE: TOP GROSSING APPLE STORE VIDEO GAMING APPLICATIONS IN EGYPT****FIGURE: MARKET SIZE OF VIDEO GAMES INDUSTRY IN EGYPT****FIGURE: MARKET SIZE OF MOBILE VIDEO GAMES INDUSTRY IN EGYPT****TABLE: IMPACT OF COVID-19 ON MOROCCO'S ANIMATION, VFX & VIDEO GAMES****TABLE: TOP GROSSING PLAY STORE VIDEO GAMING APPLICATIONS IN MOROCCO****TABLE: TOP GROSSING APPLE STORE VIDEO GAMING APPLICATIONS IN MOROCCO****FIGURE: MARKET SIZE OF VIDEO GAMES INDUSTRY IN MOROCCO****FIGURE: MARKET SIZE OF MOBILE VIDEO GAMES INDUSTRY IN MOROCCO****TABLE: IMPACT OF COVID-19 ON ALGERIA'S ANIMATION, VFX & VIDEO GAMES****TABLE: TOP GROSSING PLAY STORE VIDEO GAMING APPLICATIONS IN ALGERIA****TABLE: TOP GROSSING APPLE STORE VIDEO GAMING APPLICATIONS IN ALGERIA****FIGURE: MARKET SIZE OF VIDEO GAMES INDUSTRY IN ALGERIA**

FIGURE: MARKET SIZE OF MOBILE VIDEO GAMES INDUSTRY IN ALGERIA

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